**Ignition Control Modules - Sequence of Operation**

The Sequence of Operation depicted below represents Intermittent Ignition Device (IID).

Ignition Modules are available as DSI, IID, or HSI

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**NORMAL OPERATION**

START

- Thermostat / Temperature Controller Closes
  - Power Applied to L1
  - LED Steady ON

- Safe Start check: Is Micro Control Unit OK?
  - YES

- Flame Check: Is Flame OFF?
  - YES

- Prepurge / Interpurge Interval

- Ignition Trial Interval: High Voltage Spark ON
  - Pilot Gas Valve ON. Is Pilot Flame Sensed within the Specified Trial Interval?
  - YES

  - High Voltage Spark OFF. Main Gas Valve ON. Pilot Checked Continuously. Is the Pilot Flame OK?
    - YES

  - Is Thermostat / Temperature Controller Satisfied?
    - YES

- Thermostat / Temperature Controller Opens
  - Power OFF to L1. LED: OFF
  - Main Gas Valve OFF

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**ABNORMAL OPERATION**

- System Lockout:
  - To Reset. Interrupt Power for 10 Seconds
  - LED: Constant Flash for MCU Failure
  - LED: 2 Flashes for Failed Ignition
  - LED: 3 Flashes for Exceeding "X" Re-Trials

- Have "X" Trials been Completed?
  - NO

- Or Have "X" Re-Trials been Accumulated?

- Pilot Gas Valve OFF. Spark OFF

- Main Gas Valve OFF

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CAUTION: Operation of combustion equipment can be hazardous resulting in bodily injury or equipment damage. Each burner should be supervised by a combustion safeguard and only qualified personnel should install, make system adjustments and perform any required service.

NOTICE: ORDAN practices a policy of continuous improvement in the design of its products. It reserves the right to change the specifications at any time without prior notice.

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